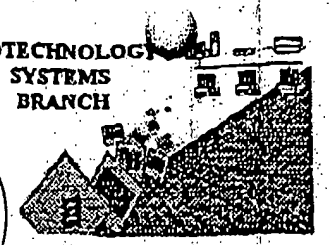

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/786,478
Source: IFW10
Date Processed by STIC: 8/23/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, **EFS Submission User Manual** - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04): U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

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PATENT & TRADEMARK OFFICE DEC 13 2004 TC 1600/2900

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION SERIAL NUMBER: 10/786,498

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 ____ Wrapped Nucleics / Wrapped Aminos — The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to 3; this will prevent "wrapping."

2 ____ Invalid Line Length — The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 ____ Misaligned Amino Numbering — The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 ____ Non-ASCII — The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 ____ Variable Length — Sequence(s) ____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 ____ PatentIn 2.0 "bug" — A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 ____ Skipped Sequences (OLD RULES) — Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 ____ Skipped Sequences (NEW RULES) — Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 ____ Use of n's or Xaa's (NEW RULES) — Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 ____ Invalid <213> Response — Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 ____ Use of <220> — Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 ____ PatentIn 2.0 "bug" — Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 ____ Misuse of n/Xaa — "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

AMC – Biotechnology Systems Branch – 09/09/2003

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OIPE JC101 DEC 13 2004 PATENT & TRADEMARK OFFICE

IFW0

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/786,478

DATE: 08/23/2004
TIME: 16:39:32

Input Set : A:\PRD2045NP-US SEQ LISTING 02-24-2004.ST25.txt
Output Set: N:\CRF4\08232004\J786478.raw

3 <110> APPLICANT: Chen, Jingcai
4 Kuei, Chester
5 Liu, Changlu W.
6 Lovenberg, Timothy W.
7 Sillard, Rannar W.
8 Sutton, Steven W.
10 <120> TITLE OF INVENTION: RELAXIN3-GPCR 135 COMPLEXES AND THEIR PRODUCTION AND USE
12 <130> FILE REFERENCE: PRD2045NP-US
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/786,478
C--> 14 <141> CURRENT FILING DATE: 2004-02-25
14 <150> PRIOR APPLICATION NUMBER: US 60/451,702
15 <151> PRIOR FILING DATE: 2003-03-04
17 <160> NUMBER OF SEQ ID NOS: 28
19 <170> SOFTWARE: PatentIn version 3.2
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 40
23 <212> TYPE: DNA
24 <213> ORGANISM: Primer
26 <400> SEQUENCE: 1
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31 <211> LENGTH: 39
32 <212> TYPE: DNA
33 <213> ORGANISM: Primer
35 <400> SEQUENCE: 2
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39 <210> SEQ ID NO: 3
40 <211> LENGTH: 45
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42 <213> ORGANISM: Primer
44 <400> SEQUENCE: 3
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48 <210> SEQ ID NO: 4
49 <211> LENGTH: 41
50 <212> TYPE: DNA
51 <213> ORGANISM: Primer
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57 <210> SEQ ID NO: 5
58 <211> LENGTH: 47
59 <212> TYPE: DNA
60 <213> ORGANISM: Primer
62 <400> SEQUENCE: 5

Does Not Comply
Corrected Diskette Needed

(global error)

Invalid <213> response. See item 10 on Error Summary Sheet

same error

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OIPE JC#21 DEC 13 2004 PATENT & TRADEMARK OFFICE

RAW SEQUENCE LISTING DATE: 08/23/2004
PATENT APPLICATION: US/10/786,478 TIME: 16:39:32

Input Set : A:\PRD2045NP-US SEQ LISTING 02-24-2004.ST25.txt
Output Set: N:\CRF4\08232004\J786478.raw

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 78 <213> ORGANISM: Primer
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 87 <213> ORGANISM: Homo sapiens
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102 gtcaccaacc tggcgctgac ggactttcag tttgtgctca ccctgccctt ctgggcggtg     420
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112 atctgggctt tggccgcgct ggcctcgctg cccagtgcca ttttctccac cacggtcaag     720
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122 ctgtcgaagg tcaccaaatc agtgaccatc gttgtcctgt ccttcttcct gtgttggctg    1020
124 cccaaccagg cgctcaccac ctggagcatc ctcatcaagt tcaacgcggt gcccttcagc    1080
126 caggagtatt tcctgtgcca ggtatacgcg ttcctctgtga gcgtgtgcct agcgcactcc    1140
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147 ctctcagaat tcttcgctct gaccccagac ttgctggaag tggccaacgc cagcggcaat     120
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The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

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OIPE JC131 DEC 13 2004 PATENT & TRADEMARK OFFICE

RAW SEQUENCE LISTING DATE: 08/23/2004
PATENT APPLICATION: US/10/786,478 TIME: 16:39:32

Input Set : A:\PRD2045NP-US SEQ LISTING 02-24-2004.ST25.txt
Output Set: N:\CRF4\08232004\J786478.raw

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151 gcgcctgggc atcctccggg tggcggcggg gcagagagca cagacactga ggccagggta 240
153 cggatcctca tcagcgcggt ttactgggtg gtttgtgccc tgggactggc cggcaacctg 300
155 ctggttctct acctgatgaa gagcaagcaa ggctggcgca aatcctccat gaacctcttt 360
157 gtcactaacc tggcactgac tgacttttcag ttcgtgctca ctctgccctt ttgggctgtg 420
159 gagaacgcac tagacttcaa gtggcccttc ggcaaggcca tgtgtaagat cgtgtccatg 480
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163 taccactcgg tggcctcggc tctcaagagc catcggaccc gagggcgtgg ccgtggcgac 600
165 tgctgcggcc agagcttgag ggagagctgc tgtttttcag ccaaggtgct gtgtgggttg 660
167 atctgggctt cggctgcgct ggcctcgctg cccaatgcca ttttttccac caccatcagg 720
169 gtgttgggtg aggagctctg cctcatgcac tttccagaca agctactggg ctgggacagg 780
171 cagttctggc tgggttttgta ccacctgcag aaggtgctgc tgggcttcct gctgccgctg 840
173 agcatcatca gtctgtgtta cctgttgctt gtgcgcttca tctccgaccg tcgcgtagtt 900
175 gggacaacag atgcagtagg agcagcagca gcgcctgggg gaggcctgag tacagccagc 960
177 gctaggagac gctccaaggt caccaagtcg gtgaccatcg tcgtcctctc cttcttcctg 1020
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181 cccttcagcc aggagtactt tcagtgccaa gtgtacgcgt tcccagtcag cgtgtgcctg 1140
183 gcgcactcca acagctgcct caacccgatc ctctactgct tagtgcgccg cgagttccgc 1200
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204 gttgccaaca ggagcagcaa tgcgtcgctg cagcttcagg acttgtggtg ggagctgggg 180
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216 atgtgtaaga tcgtatctat ggtgacatcc atgaacatgt atgccagcgt cttctttctc 540
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220 cgcgggcatg gccgtggcga ctgctgcggc cagagcttgg gggagaggctg ctgtttctca 660
222 gccaaggtgc tgtgtggatt gatctgggct tctgccgcga tagcttcgct gcccaatgtc 720
224 atttttttcta ccaccatcaa tgtgttgggc gaggagctgt gcctcatgca ctttccggac 780
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240 cgcgagttcc gcaaggcgct caagaacctg ctgtggcgta tagcatcgcc ttcgctcacc 1260
242 agcatgcgcc ccttcaccgc caccaccaag ccagaacctg aagatcacgg gctgcaggcc 1320

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RAW SEQUENCE LISTING DATE: 08/23/2004
PATENT APPLICATION: US/10/786,478 TIME: 16:39:32

Input Set : A:\PRD2045NP-US SEQ LISTING 02-24-2004.ST25.txt
Output Set: N:\CRF4\08232004\J786478.raw

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261 gcgcctgggc atccccggg cagcggtggg gcagagagcg cggacacaga ggccagggta 240
263 cggatcctca tcagcgcgct ttactgggtg gtttgtgccc tgggactggc tggcaacctg 300
265 ctggttctct acctgatgaa gagcaaacag ggctggcgca aatcctccat taacctcttt 360
267 gtcactaacc tggcgctgac tgactttcag tttgtgctca ctctgccctt ctgggcggtg 420
269 gagaacgcac tagatttcaa gtggcccttt ggcaaggcca tgtgtaagat cgtatctatg 480
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273 taccactcgg tggcctcagc tctcaagagc catcggaccc gcgggcatgg ccgtggcgac 600
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279 gtgttgggcg aggagctgtg cctcatgcac tttccggaca agctcctggg ttgggaccgg 780
281 cagttctggc tgggtttgta ccacctgcag aaggtgctgc tgggcttcct gctgccgctg 840
283 agcatcatca gtttgtgtta cctgttgctc gtgcgcttca tctccgaccg ccgcgtagtg 900
285 gggacaacgg atggagcaac agcgcctggg gggagcctga gtacagccgg cgctcggaga 960
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289 cccaaccaag cgctcaccac ctggagcatc ctcatcaagt tcaacgtagt gcccttcagt 1080
291 caggagtact ttcagtgcca agtgtacgcg ttcccagtca gcgtgtgcct ggcacactcc 1140
293 aacagctgcc tcaaccccat cctctactgc ttagtgcgcc gcgagttccg caaggcgctc 1200
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307 <213> ORGANISM: Homo sapiens
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316 20 25 30
319 Glu Ala Ala Asn Thr Ser Gly Asn Ala Ser Leu Gln Leu Pro Asp Leu
320 35 40 45
323 Trp Trp Glu Leu Gly Leu Gly Leu Pro Asp Gly Ala Pro Pro Gly His
324 50 55 60
327 Pro Pro Gly Ser Gly Gly Ala Glu Ser Ala Asp Thr Glu Ala Arg Val
328 65 70 75 80
331 Arg Ile Leu Ile Ser Val Val Tyr Trp Val Val Cys Ala Leu Gly Leu
332 85 90 95
335 Ala Gly Asn Leu Leu Val Leu Tyr Leu Met Lys Ser Met Gln Gly Trp

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CAPE JC131 DEC 13 2004 PATENT & TRADEMARK OFFICE

RAW SEQUENCE LISTING DATE: 08/23/2004
PATENT APPLICATION: US/10/786,478 TIME: 16:39:32

Input Set : A:\PRD2045NP-US SEQ LISTING 02-24-2004.ST25.txt
Output Set: N:\CRF4\08232004\J786478.raw

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339 Arg Lys Ser Ser Ile Asn Leu Phe Val Thr Asn Leu Ala Leu Thr Asp
340         115                 120                 125
343 Phe Gln Phe Val Leu Thr Leu Pro Phe Trp Ala Val Glu Asn Ala Leu
344     130                 135                 140
347 Asp Phe Lys Trp Pro Phe Gly Lys Ala Met Cys Lys Ile Val Ser Met
348 145                 150                 155                 160
351 Val Thr Ser Met Asn Met Tyr Ala Ser Val Phe Phe Leu Thr Ala Met
352                 165                 170                 175
355 Ser Val Thr Arg Tyr His Ser Val Ala Ser Ala Leu Lys Ser His Arg
356                 180                 185                 190
359 Thr Arg Gly His Gly Arg Gly Asp Cys Cys Gly Arg Ser Leu Gly Asp
360             195                 200                 205
363 Ser Cys Cys Phe Ser Ala Lys Ala Leu Cys Val Trp Ile Trp Ala Leu
364     210                 215                 220
367 Ala Ala Leu Ala Ser Leu Pro Ser Ala Ile Phe Ser Thr Thr Val Lys
368 225                 230                 235                 240
371 Val Met Gly Glu Glu Leu Cys Leu Val Arg Phe Pro Asp Lys Leu Leu
372                 245                 250                 255
375 Gly Arg Asp Arg Gln Phe Trp Leu Gly Leu Tyr His Ser Gln Lys Val
376                 260                 265                 270
379 Leu Leu Gly Phe Val Leu Pro Leu Gly Ile Ile Ile Leu Cys Tyr Leu
380             275                 280                 285
383 Leu Leu Val Arg Phe Ile Ala Asp Arg Arg Ala Ala Gly Thr Lys Gly
384     290                 295                 300
387 Gly Ala Ala Val Ala Gly Gly Arg Pro Thr Gly Ala Ser Ala Arg Arg
388 305                 310                 315                 320
391 Leu Ser Lys Val Thr Lys Ser Val Thr Ile Val Val Leu Ser Phe Phe
392                 325                 330                 335
395 Leu Cys Trp Leu Pro Asn Gln Ala Leu Thr Thr Trp Ser Ile Leu Ile
396                 340                 345                 350
399 Lys Phe Asn Ala Val Pro Phe Ser Gln Glu Tyr Phe Leu Cys Gln Val
400             355                 360                 365
403 Tyr Ala Phe Pro Val Ser Val Cys Leu Ala His Ser Asn Ser Cys Leu
404     370                 375                 380
407 Asn Pro Val Leu Tyr Cys Leu Val Arg Arg Glu Phe Arg Lys Ala Leu
408 385                 390                 395                 400
411 Lys Ser Leu Leu Arg Arg Ile Ala Ser Pro Ser Ile Thr Ser Met Arg
412                 405                 410                 415
415 Pro Phe Thr Ala Thr Thr Lys Pro Glu His Glu Asp Gln Gly Leu Gln
416                 420                 425                 430
419 Ala Pro Ala Pro Pro His Ala Ala Ala Glu Pro Asp Leu Leu Tyr Tyr
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432 <211> LENGTH: 472
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OIPE JC1
DEC 13 2004
PATENT & TRADEMARK OFFICE

VERIFICATION SUMMARY DATE: 08/23/2004
PATENT APPLICATION: US/10/786,478 TIME: 16:39:33

Input Set : A:\PRD2045NP-US SEQ LISTING 02-24-2004.ST25.txt
Output Set: N:\CRF4\08232004\J786478.raw

14 M:270 C: Current Application Number differs, Replaced Current Application No
14 M:271 C: Current Filing Date differs, Replaced Current Filing Date

BEST AVAILABLE COPY